Bureau of Land Management



Amarillo Field Office Helium Operations

Statistical Report for December - 2007





Distribution:

Fluid Minerals Group Manager, Washington Office

NMSO, New Mexico State Director

NMSO, Associate State Director

NMSO, Petroleum Engineer

Field Manager, Amarillo Field Office

Assistant Field Managers (3)

Team Leaders

- -Federal Leased Lands
- -Resources Evaluation & Gas Analysis
- -Division Of Helium Operations, -Engineering and Technical Support

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Amarillo, Texas

Issued: April 16, 2008

"Please Note: Data in this report is accurate as of print date; however all data is subject to change."

Approved for distribution: Nelson R. Bullard Date: 4/16/2008

Plant Feed	Helium Enrichment Unit Operations	_	nth	i		
Helium Product		Gross Volume		Average Percent	Gross Cumulative	Net Cumulativ
Natural Cas & Liquids Produced Gas Processed North For Street Str		683,873	178,709	26.13%	32,047,566	8,166,49
Natural Cas & Liquids Produced Sas Processed Sas Processed Sas Sales (Ind**)		223,295	174,984	78.36%	10,238,950	8,051,88
Month Sales (Molfrer) Sales (Molfrer) Sales (Sales (Molfrer) Sales (Sales (Molfrer) Sales (Sales (Molfrer) Sales (Sales (Residue Natural Gas	294,517	0	00.00%	13,965,624	1,18
Natural Color Sales (McF**) 319,500 953,	Natural Gas & Liquids Produced					
Month Strong Month Mon	Gas Processed				Month	FYT
Month North Holium North Holiu	Natural Gas Sales (Mcf***)				319,500	953,7
Bush Dome Reservoir Operations	ίθ ,				95,419	254,27
Cross Yolume Net Helium Cross Yolume Net Helium Cross Cumulative Net Cumulative Cross Yolume Cross Yo	*** Volumes in Mcf at 14.73 psia & 60°F					
Crude Injection		_		Average Percent	Gross Cumulative	Net Cumulativ
Storage Operations	Total Withdrawn	669,141	177,890	26.58%	166,818,400	27,915,0
Storage Operations	Crude Injection	14,532	11,394	78.41%	65,597,873	47,344,32
Conservation Helium	-					590,05
Conservation Helium	Storage Operations					
Open Market Sale Volumes (Met') 36,000 133,000 1,608,000 7,383,600 20,709,449			Month	FYTD	CYTD	Cumulati
Conservation Helium in Storage (EOM) 20,799,449						7,383,60
In Kind Helium				130,000	1,000,000	7,300,00
Sale Volumes Transferred 27 51,790 194,807 2,047.7			20,700,440			
Sale Volumes Outstanding	In Kind Helium		Month	FYTD	CYTD	Cumulati
Private Company Helium Storage Contracts	Sale Volumes Transferred		27	51,790	194,807	2,047,79
Private Company Helium Storage Contracts	Sale Volumes Outstanding		56,480			
Contact Activity Gross Volume Net Helium Average Percent Helium FYT Crude Acquired 76,151 50,960 66,92% 145,6 Crude Disposed 283,735 212,763 74,99% 672,1 Net Balance (207,584) (161,803) (526,83) Balance of Stored Helium End Of Month 979,878 Volumes in Mcf at 14.65 psia & 60°F Revenue / Charges Revenue / Charges Helium Storage Contracts (Charges Billed (\$) \$359,030 \$73,6 Revenue / Charges Helium Storage Contracts (Charges Billed (\$) \$359,030 \$73,6 Revenue / Charges (Billed (\$) \$359,030 \$73,6 Reservoir Management Fees Billed (\$) Month F7 Field Compressor Charges (Charges Billed (\$) Month </td <td>Volumes in Mcf at 14.65 psia & 60°F</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Volumes in Mcf at 14.65 psia & 60°F					
Crude Acquired 76,151 50,960 66.92% 145,4 Crude Disposed 283,735 212,763 74,99% 672,1 Net Balance (207,584) (161,803) (526,7 Balance of Stored Helium End Of Month 979,878 (526,7 Revenue / Charges Revenue / Charges Helium Storage Contracts (Charges Billed (\$) Month FF Storage Fees Billed (\$) \$359,030 \$730,5 Revenue / Charges (Charges Billed (\$) Month FF Storage Fees Billed (\$) Month FF Field Compressor Charges (Charges Billed (\$) Month FF Field Compressor Charges (Charges Billed (\$) Month FF Field Compressor Charges (S60,035) (\$184,0 Cilifiside Refiners, LP, (provides for booster compression services) (\$60,035) (\$184,0 Cilifiside Refiners, LP, by Agreement #GDA010003 (reimburses BLM for fuel, labor, supplies, etc.) \$15,562 \$50,0 Net. T	Private Company Helium Storage Contracts		Мо	nth		Annual
Crude Disposed 283,735 212,763 74.99% 672,1 Net Balance (207,584) (161,803) (526,7 Balance of Stored Helium End Of Month 979,878 Volumes in Mer at 14.65 psia & 60°F	Contact Activity		Gross Volume	Net Helium	Average Percent	Helium FYTD
Net Balance (207,584) (161,803) (526,7586) (526	Crude Acquired		76,151	50,960	66.92%	145,45
Balance of Stored Helium End Of Month 979,878 Volumes in Mcf at 14.65 psia & 60°F Revenue / Charges Helium Storage Contracts (Charges Billed (\$) Month FN Storage Fees Billed (\$) \$359,030 \$730.5 Reservoir Management Fees Billed (\$) Month FN Field Compressor Charges (Charges Billed (\$) Month FN Funded by Cliffside Refiners, LP (provides for booster compression services) (\$60,035) (\$184.6 Cliffside Refiners, LP, by Agreement #GDA010003 (reimburses BLM for fuel, labor, supplies, etc.) \$15,562 \$50.6 Net-Total (Funded by the four Refiners to the Cliffside Refiners, LP for the compression costs.) (\$44,474) (\$133.4 Enrichment Unit Charges (Charges Billed (\$) Month FN Reservior Management Fees (RMF) \$223,443 \$714.4 Total operating costs (\$916,726) (\$2,714.5 Sub Total - Items provided by BLM \$405,913 \$1,182.4 Total - Cliffside Refiners, LP, GDA030001 (\$510,813) (\$1,532.4 Conservation Helium - Natural Gas - Liquid Sales (Charges Billed (\$) Month FN Open Market Sales </td <td>Crude Disposed</td> <td></td> <td>283,735</td> <td>212,763</td> <td>74.99%</td> <td>672,19</td>	Crude Disposed		283,735	212,763	74.99%	672,19
Revenue	Net Balance		(207,584)	(161,803)		(526,73
Helium Storage Contracts (Charges Billed (\$) \$359,030 \$730,5				979,878		
Helium Storage Contracts (Charges Billed (\$)	Revenue / Charges					
Storage Fees Billed (\$) \$359,030 \$730,050 Reservoir Management Fees Billed (\$) \$223,443 \$714,450 Field Compressor Charges (Charges Billed (\$) Month Founded by Cliffside Refiners, LP (provides for booster compression services) \$(\$60,035) \$(\$184,600) Cliffside Refiners, LP, by Agreement #GDA010003 (reimburses BLM for fuel, labor, supplies, etc.) \$15,562 \$50,600 Net-Total (Funded by the four Refiners to the Cliffside Refiners, LP for the compression costs.) \$(\$44,474) \$(\$133,400) Enrichment Unit Charges (Charges Billed (\$) Month Founded Burger Fo					Month	FYT
Seervoir Management Fees Billed (\$) Sees Sees Sees Sees Sees Sees Sees Se	•				\$359.030	\$730,59
Field Compressor Charges (Charges Billed (\$)) Month FY Funded by Cliffside Refiners, LP (provides for booster compression services) (\$60,035) (\$184,0 Cliffside Refiners, LP, by Agreement #GDA010003 (reimburses BLM for fuel, labor, supplies, etc.) \$15,562 \$50,6 Net-Total (Funded by the four Refiners to the Cliffside Refiners, LP for the compression costs.) (\$44,474) (\$133,4 Enrichment Unit Charges (Charges Billed (\$)) Month FY Reservior Management Fees (RMF) \$223,443 \$714,4 Total operating costs (\$916,726) (\$2,714,8 Sub Total - Items provided by BLM \$405,913 \$1,182,4 Total - Cliffside Refiners, LP, GDA030001 (\$510,813) (\$1,532,4 Conservation Helium - Natural Gas - Liquid Sales (Charges Billed (\$) Month FY Open Market Sales \$13,068,000 \$15,911,5 \$1,182,4 In Kind Sales \$3,318,200 \$3,318,20 \$3,318,20 \$3,318,20 \$3,318,20 \$3,318,20 \$3,318,20 \$3,318,20 \$3,318,20 \$3,318,20 \$3,318,20 \$3,176,22 \$4,176,23 \$4,176,23 \$4,176,23 \$4,176,23						\$714,41
Funded by Cliffside Refiners, LP (provides for booster compression services) (\$60,035) (\$184,000) (\$184,000) (\$184,474) (\$133,400) (\$1					4220, 0	Ψ ,
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Net-Total (Funded by the four Refiners to the Cliffside Refiners, LP for the compression costs.) Enrichment Unit Charges (Charges Billed (\$) Reservior Management Fees (RMF) Total operating costs Sub Total - Items provided by BLM Total - Cliffside Refiners, LP, GDA030001 Conservation Helium - Natural Gas - Liquid Sales (Charges Billed (\$) Month FY Conservation Helium - Natural Gas - Liquid Sales (Charges Billed (\$) Month FY S133,443 \$714,4 \$223,443 \$714,4 \$223,443 \$714,4 \$3405,913 \$1,182,4 \$1,182,4 Conservation Helium - Natural Gas - Liquid Sales (Charges Billed (\$) Month FY S13,068,000 \$15,911,5 \$13,068,000 \$15,911,5 \$13,068,000 \$15,911,5 \$13,068,000 \$15,911,5 \$13,068,000 \$15,911,5 \$13,068,000 \$15,911,6 \$15,911,6 \$15,911					11111111111	
Enrichment Unit Charges (Charges Billed (\$) Month FX Reservior Management Fees (RMF) \$223,443 \$714,4 Total operating costs (\$916,726) (\$2,714,5 Sub Total - Items provided by BLM \$405,913 \$1,182,4 Total - Cliffside Refiners, LP, GDA030001 (\$510,813) (\$1,532,4 Conservation Helium - Natural Gas - Liquid Sales (Charges Billed (\$) Month FY Open Market Sales \$13,068,000 \$15,911,5 In Kind Sales \$3,318,200 \$3,318,2 Natural Gas & Liquid Sales \$2,176,839 \$6,114,5 Helium Resources Evaluation Month FY Revenue Collected from Federal Lease Holds \$532,847 \$1,762,2	, , , ,	· · · · · · · · · · · · · · · · · · ·				\$50,60
Reservior Management Fees (RMF) \$223,443 \$714,4 Total operating costs (\$916,726) (\$2,714,5 Sub Total - Items provided by BLM \$405,913 \$1,182,4 Total - Cliffside Refiners, LP, GDA030001 (\$510,813) (\$1,532,4 Conservation Helium - Natural Gas - Liquid Sales (Charges Billed (\$) Month FY Open Market Sales \$13,068,000 \$15,911,5 In Kind Sales \$3,318,200 \$3,318,20 Natural Gas & Liquid Sales \$2,176,839 \$6,114,5 Helium Resources Evaluation Month FY Revenue Collected from Federal Lease Holds \$532,847 \$1,762,2	Net-Total (Funded by the four Refiners to the Cliffside Refiners, I	LP for the compress	sion costs.)		(\$44,474)	(\$133,42
Reservior Management Fees (RMF) \$223,443 \$714,4 Total operating costs (\$916,726) (\$2,714,5 Sub Total - Items provided by BLM \$405,913 \$1,182,4 Total - Cliffside Refiners, LP, GDA030001 (\$510,813) (\$1,532,4 Conservation Helium - Natural Gas - Liquid Sales (Charges Billed (\$) Month FY Open Market Sales \$13,068,000 \$15,911,5 In Kind Sales \$3,318,200 \$3,318,20 Natural Gas & Liquid Sales \$2,176,839 \$6,114,5 Helium Resources Evaluation Month FY Revenue Collected from Federal Lease Holds \$532,847 \$1,762,2	Enrichment Unit Charges (Charges Billed (\$)				Month	FYT
Total operating costs (\$916,726) (\$2,714,55)	Reservior Management Fees (RMF)				\$223,443	\$714,41
Sub Total - Items provided by BLM \$405,913 \$1,182,4 Total - Cliffside Refiners, LP, GDA030001 (\$510,813) (\$1,532,4 Conservation Helium - Natural Gas - Liquid Sales (Charges Billed (\$) Month FY Open Market Sales \$13,068,000 \$15,911,5 In Kind Sales \$3,318,200 \$3,318,2 Natural Gas & Liquid Sales \$2,176,839 \$6,114,5 Helium Resources Evaluation Revenue Collected from Federal Lease Holds \$532,847 \$1,762,2	· · ·				(\$916,726)	(\$2,714,91
Conservation Helium - Natural Gas - Liquid Sales (Charges Billed (\$) Month FY Open Market Sales \$13,068,000 \$15,911,6 In Kind Sales \$3,318,200 \$3,318,20 Natural Gas & Liquid Sales \$2,176,839 \$6,114,6 Helium Resources Evaluation Month FY Revenue Collected from Federal Lease Holds \$532,847 \$1,762,2	Sub Total - Items provided by BLM					\$1,182,47
Open Market Sales \$13,068,000 \$15,911,6 In Kind Sales \$3,318,200 \$3,318,2 Natural Gas & Liquid Sales \$2,176,839 \$6,114,5 Helium Resources Evaluation Month F) Revenue Collected from Federal Lease Holds \$532,847 \$1,762,2	· · · · · · · · · · · · · · · · · · ·					(\$1,532,43
Open Market Sales \$13,068,000 \$15,911,6 In Kind Sales \$3,318,200 \$3,318,2 Natural Gas & Liquid Sales \$2,176,839 \$6,114,5 Helium Resources Evaluation Month F Revenue Collected from Federal Lease Holds \$532,847 \$1,762,2	Conservation Helium - Natural Gas - Liquid S	ales	(Charges Billed (\$)		Month	FYT
In Kind Sales \$3,318,200 \$3,318,20 \$3,318,20 \$3,318,20 \$1,716,839 \$6,114,50	-		-			\$15,911,50
Natural Gas & Liquid Sales \$2,176,839 \$6,114,5 Helium Resources Evaluation Month F7 Revenue Collected from Federal Lease Holds \$532,847 \$1,762,2	•					\$3,318,20
Revenue Collected from Federal Lease Holds \$532,847 \$1,762,2						\$6,114,58
Revenue Collected from Federal Lease Holds \$532,847 \$1,762,2	Helium Resources Evaluation				Month	FYT
		- 21	Recoived	0		

Table 2 - Bush Dome Reservoir Operations

December - 2007

		Gross V	Vithdrawal	Net Helium	n Withdrawal	Nitro	ogen	Metl	nane	Ethan	e plus	Other (CC	02, Ar, H2)
		Month	Cumulative	Month	Cumulative	Month	Cumulative	Month	Cumulative	Month	Cumulative	Month	Cumulative
TOTAL		669,141	166,818,400	177,890	27,915,013	168,420	40,895,374	286,603	87,912,365	30,612	8,715,917	<u>5,615</u>	1,379,731
BIVINS A-3	Dec-07	22,525	9,806,577	13,221	2,918,848	5,674	2,483,245	3,172	3,952,634	314	385,705	144	66,146
BIVINS A-6	Dec-07	1,251	7,904,906	989	4,511,997	229	1,969,111	24	1,273,173	0	122,820	9	27,804
BIVINS A-13	Dec-07	52,037	3,900,361	27,675	2,480,477	13,021	1,034,227	9,902	336,074	1,064	34,387	374	15,196
BIVINS A-14	Dec-07	61,056	4,285,696	38,211	2,963,480	15,211	1,104,192	6,511	185,477	681	18,397	442	14,149
BIVINS A-4	Dec-07	40,989	9,958,509	15,309	1,614,312	10,039	2,409,141	13,799	5,324,162	1,497	524,376	344	86,518
BUSH A-2	Dec-07	44,879	9,190,369	15,018	1,281,322	11,433	2,228,431	16,288	5,093,155	1,816	505,619	323	81,841
Injection	Dec-07	14,532	65,597,873	11,394	47,344,321	2,741	16,943,416	294	763,468	0	17	103	546,652
inj Bivins A-3	Dec-07	0	(25,652,212)	0	(18,384,374)	0	(6,554,527)	0	(332,774)	0	0	0	(380,537)
inj Bivins A-6	Dec-07	(14,532)	(23,558,452)	(11,394)	(17,012,263)	(2,741)	(6,313,171)	(294)	(126,004)	(0)	(8)	(103)	(107,007)
inj Bivins A-13	Dec-07	0	(6,490,417)	0	(4,706,191)	0	(1,656,853)	0	(122,391)	0	(2)	0	(4,980)
inj Bivins A-14	Dec-07	0	(6,501,333)	0	(4,767,421)	0	(1,602,106)	0	(126,303)	0	(7)	0	(5,497)
inj Bivins A-4	Dec-07	0	(2,527,801)	0	(1,848,815)	0	(601,353)	0	(42,016)	0	0	0	(35,617)
inj Bush A-2	Dec-07	0	(867,658)	0	(625,258)	0	(215,406)	0	(13,980)	0	0	0	(13,015)
Production	Dec-07	1,251	812,755	989	590,054	229	179,446	24	35,116	0	2,631	9	5,508
BIVINS A-1	Dec-07	0	2,686,608	0	48,896	0	636,995	0	1,798,415	0	175,704	0	26,597
BIVINS A-2	Dec-07	18,341	12,050,980	1,736	1,778,466	4,451	2,967,952	10,856	6,559,707	1,137	646,962	160	97,894
BIVINS A-5	Dec-07	31,914	13,017,318	8,723	1,362,660	8,133	3,163,242	13,347	7,621,835	1,465	754,069	246	115,512
BIVINS A-7	Dec-07	30,452	9,232,719	10,499	1,940,842	7,923	2,303,712	10,624	4,473,774	1,200	445,811	206	68,580
BIVINS A-9	Dec-07	39,980	7,990,982	798	147,882	10,320	1,936,302	25,816	5,302,282	2,726	528,854	320	75,663
BIVINS A-11	Dec-07	33,772	4,081,207	727	77,135	8,661	998,014	21,769	2,694,872	2,310	272,109	304	39,076
BIVINS A-15	Dec-07	37,437	7,009,284	898	377,286	8,888	1,675,099	24,687	4,446,776	2,544	441,272	419	68,851
BIVINS B-1	Dec-07	39,961	5,066,967	1,657	207,223	9,787	1,222,206	25,476	3,259,776	2,648	328,489	394	49,273
BIVINS B-2	Dec-07	33,736	3,808,603	646	71,143	8,667	939,279	21,633	2,497,590	2,279	253,513	511	47,078
BUSH A-1	Dec-07	0	5,721,962	0	104,140	0	1,356,677	0	3,830,281	0	374,216	0	56,647
BUSH A-3	Dec-07	36,507	8,875,154	18,656	1,476,349	9,420	2,166,801	7,283	4,688,718	845	464,206	303	79,080
BUSH A-4	Dec-07	24,476	6,335,341	5,966	1,151,713	6,288	1,570,924	10,885	3,241,088	1,185	323,317	152	48,300
BUSH A-5	Dec-07	46,927	12,460,264	14,517	2,541,102	11,977	3,110,222	18,163	6,110,943	1,999	607,069	272	90,927
BUSH A-8	Dec-07	18,458	2,749,377	341	50,250	4,551	657,210	12,052	1,829,388	1,254	181,998	260	30,531
BUSH A-9	Dec-07	2	3,365,835	1	78,960	0	804,326	1	2,230,712	0	220,114	0	31,724
BUSH A-11	Dec-07	21,584	3,016,485	780	84,838	5,186	720,005	13,918	1,979,688	1,437	199,108	263	32,844
BUSH B-1	Dec-07	108	3,098,124	2	58,183	26	734,882	71	2,071,496	7	203,062	1	30,501
FUQUA A-1	Dec-07	0	2,954,071	0	53,853	0	702,791	0	1,975,156	0	193,571	0	28,699
FUQUA A-2	Dec-07	0	132,119	0	2,404	0	31,322	0	88,458	0	8,637	0	1,297
FUQUA A-3	Dec-07	32,749	8,118,583	1,520	531,253	8,534	1,969,063	20,322	5,046,732	2,206	502,530	167	69,003
TT Fuel	Dec-07	107	0	2	0	26	0	71	0	7	0	1	0
	fie	ld-wide pcts		26.58%	16.73%	25.17%	24.51%	42.83%	52.70%	4.57%	5.22%	0.84%	0.83%

Latest estimates of reserves and feed to HEU

Based on NITEC's 2003 reserves study from NITEC's interim report

est z-factor 0.975

As of EOM	Dec-07	Volumes in BCF		
Initial Gas In Pl	ace	330.040		
Produced 1924	to 1961	48.830		
Injected 1924 to	1961	0.450		
Remaining Gas	In Place 1961	281.660		
Left Behind Pip	e, 1961	82.060	====> 1.5	500 BCF of contained helium
Remaining in P	lace, 1961	199.600		
Gas In Place 19	961	199.600		
Produced 1961	to July 2002	82.450		
Injected 1961 to	July 2002	64.510	Net Hel	ium
Remaining Gas	In Place July 2002	181.660	33.9	997
Produced July 2	2002 through Dec 2002	1.096	0.7	743
Production 200	3 - 06	26.769	7.3	366
Injection 2003 -	06	(0.528)	(0.4	107)
Produced to Da	ite 2007	7.672	2.2	220
Injected to Date	2007	(0.061)	(0.0	048)
Amount of Raw	Gas Available to CHEU	146.711	====> 24.1	24 total helium in reservoir
Estimated Botto	om Hole Pressure	537.328		

Crude Helium Enrichment Unit Operations

Gross Withdrawal		/ithdrawal	Net Helium Withdrawal		Nitrogen		Methane		Ethane plus		Other (CO2, Ar, H2)		
		Month	Cumulative	Month	Cumulative	Month	Cumulative	Month	Cumulative	Month	Cumulative	Month	Cumulative
Measured Feed 1	Dec-07	683,873	32,047,566	178,709	8,166,497	172,105	8,051,174	295,876	14,057,867	31,415	1,501,547	5,768	270,482
Calculated Feed I	Dec-07	667,783	32,063,191	176,900	8,212,870	168,166	8,058,454	286,507	14,022,765	30,605	1,497,826	5,605	271,275
Feed to Box	Dec-07	663,787	31,878,976	176,900	8,212,870	168,166	8,058,454	286,507	14,022,765	30,605	1,497,826	1,609	87,061
Cheu Product	Dec-07	223,295	10,238,950	174,984	8,051,889	42,248	1,914,792	4,485	201,109	0	378	1,577	70,782
Residue I	Dec-07	294,517	13,965,624	0	1,188	6,514	346,307	261,753	12,372,871	26,250	1,244,050	0	1,209
Cold Box Vent I	Dec-07	107,295	5,840,752	79	80,161	99,080	4,936,443	8,115	764,493	(0)	137	21	59,518
Flare/Boot Strap I	Dec-07	5,100	636,523	403	32,907	2,675	262,153	1,761	255,653	258	80,671	3	5,138
Fuel From Cheu I	Dec-07	12,067	413,317	0	239	397	12,390	9,835	334,563	1,835	66,125	0	0
Shrinkage/Loss I	Dec-07	2,260	102,323	0	0	0	0	0	0	2,260	102,323	0	0
Unaccounted*	Dec-07	19,253	725,302	1,427	44,318	17,259	604,737	558	73,804	(0)	1,082	9	1,361

^{*}Before October 2004, the values are estimated

Storage Operations

Inventory (contained helium)		
	Government	Private
Beginning inventory	20,747,321	1,105,654
net acceptances +	0	0
redeliveries	0	(161,803)
In Kind Transfers	(27)	27
Open Market Sales	(36,000)	36,000
Gain/loss	(1,845)	
Ending Inventory	20,709,449	979,878
Total Helium in Reservoir	24,123,737	
Total Helium in Storage	21,689,327	
Helium in native gas	2,434,409	

Crude Helium Pipeline

_	Gross	Net Helium	Percent
Beginning inventory	45,014	34,152	75.87%
Measured to Pipeline (Private Plants)	76,206	50,990	66.91%
Measured from Pipeline (Private Plant	283,790	212,765	74.97%
HEU Production	223,295	174,984	78.36%
Injection	14,532	11,394	78.41%
Production	1,251	989	79.06%
Ending Inventory	46,674	35,111	75.23%
Gain/Loss	(769)	(1,845)	

Tuck Trigg Reservoir Operations

	-		Since Field	
Native Gas (Gross)	Month	Fiscal Year	Discovery	l
Total in place, beg. of period	5,198,688	5,198,688	5,890,000	l
Recoverable in place, beg. of period	4,528,688	4,528,688	5,220,000	l
Production during period to date	0	0	691,312	l
Total in place, end of month	5,198,688	5,198,688	5,198,688	l
Recoverable in place, end of month	4,528,688	4,528,688	4,528,688	l

Table 4 - In Kind Helium Sales

December - 2007

	NASA*	Navy*	Army*	Air Force*	DOE*	Other Fed*	Subtotal*	In Kind+	Charges Billed (\$)**
In Kind Helium	n								
AirGas Inc./Aeriford Month FYTD	m, Contract ı	no. INC98-01	101						(billed quarterly)
AGA/Linde Gas, Ind Month FYTD	c./AirGas Inc	, Contract n	o. INC98-0)102					
AirGas, Inc., Contra Month FYTD	act no. INC98	3-0103							
Air Liquide Helium Month FYTD	America, Inc	c., Contract	no. INC98	-0104					
Air Products, L.P., Month FYTD	Contract no.	INC98-0105							
BOC Global Helium Month FYTD	n, Inc., Contra	act no. INC9	8-0106						
Corp Brothers, Inc. Month FYTD	., Contract no	o. INC98-010)7						
FIBA Technologies Month FYTD	, Inc., Contra	act no. INC9	8-0108						
General Air Service Month FYTD	e & Supply C	o., Contract	no. INC98	3-0109					
Jack B. Kelley Co., Month FYTD	Contract no.	. INC98-0110)						
Portland Welding S Month FYTD	Supply, Contr	ract no. INC	98-0111						
Praxair, Inc., Contra Month FYTD	act no. INC98	8-0112							
United States Weld Month FYTD	ling, Inc., Co	ntract no. IN	C98-0113						
Matheson Tri-Gas, Month FYTD	Inc., Contrac	t no. INC98	-0114						
GT & S, Contract no Month FYTD	o. INC00-011	5							
Total month	39,012	3,876	3	3,486	4,366	6,626	57,368	56,480	\$3,318,200
Total FYTD	39,012	3,876	3	3,486	4,366	6,626	57,368	56,480	\$3,318,200
Total CYTD	118,961	11,607	19	16,537	22,244	33,762	203,129	199,988	\$11,741,780
Cumulative	1,247,505	52,898	219	248,931	294,802	293,001	2,137,355	2,104,197	\$109,941,989
In Kind Transf	ers						Month	FYTD	CYTD Cumulative
Transferred Volume outstanding							27 56,480	51,790	194,807 2,047,792

^{*} Volumes in Mcf at 14.7 psia & 70°F

⁺ Volumes in Mcf at 14.65 psia & 60°F

Table 5 - Open Market/Reserve Sell-down

December - 2007

Helium & Natural Gas Sales

	Award Volume*	Outstanding*	Sales*	Charges Billed (\$)		
Conservation Helium		_			(billed quarterly)	
Air Liquide Helium America, Inc.						
Month	0	0	0		\$0	
FYTD	0	0	0		\$0	
Cumulative	50,000		50,000		\$2,625,000	
Air Products, L.P.						
Month	0	(180,000)	180,000		\$10,890,000	
FYTD	180,000	0	180,000		\$10,890,000	
Cumulative	2,665,400		2,665,400		\$149,319,750	
BOC Global Helium, Inc.						
Month	0	0	0		\$0	
FYTD	0	0	0		\$0	
Cumulative	2,749,000		2,749,000		\$151,312,500	
Keyes Helium Co., LLC						
Month	0	(16,000)	16,000		\$968,000	
FYTD	46,000	8,000	38,000		\$2,299,000	
Cumulative	352,200		344,200		\$19,286,650	
Matheson Tri-Gas, Inc.						
Month	0	0	0			
FYTD	0	0	0		\$0	
Cumulative	10,000		10,000		\$587,500	
Praxair, Inc.						
Month	0	(20,000)	20,000		\$1,210,000	
FYTD	170,000	125,000	45,000		\$2,722,500	
Cumulative	1,670,000		1,545,000		\$87,767,500	
Linde Gas North America, LLC						
Month	0	0	0		\$0	
FYTD	0	0	0		\$0	
Cumulative	200,000		200,000		\$11,035,000	
Total month	0	(216,000)	216,000		\$13,068,000	
Total FYTD	396,000	133,000	263,000	\$15,911,500		
Total CYTD	1,921,000		1,788,000	\$105,505,250		
Cumulative	7,696,600		7,563,600	\$421,933,900		
Open Market Transfers		Month	FYTD	CYTD	Cumulative	
Transferred		36,000	133,000	1,608,000	7,383,600	
Volume outstanding		180,000				

^{*} Volumes in Mcf at 14.65 psia & 60°F

Natural Gas/Liquid Sales

	Natural Gas (Mcf)***	NGLs (gal)	Decatherms	\$/unit	Charges Billed (\$)**				
El Paso Natural Gas	<u>s</u>	Provides Firm/Interru	ptible natural gas trar	nsportation services	(billed monthly)				
Month	296,064		324,982	(\$0.0861)	(\$27,997)				
FYTD	882,725		969,985	(\$0.0866)	(\$83,991)				
Cumulative	13,558,972		14,904,222	(\$0.1062)	(\$1,583,114)				
Minerals Manageme	ent Service	Provides natural gas	ovides natural gas marketing services under a Cooperative Agreement						
Month					\$0				
FYTD				(\$0.0075)	(\$6,601)				
Cumulative				(\$0.0110)	(\$148,475)				
OGE Energy									
Month	319,500	0	322,633	\$6.388959	\$2,033,840				
FYTD	953,750	0	963,097	\$6.055545	\$5,771,927				
Cumulative	13,866,387	0	14,866,545	\$6.091476	\$89,825,211				
<u>SemCrude</u>									
Month	0	95,419	10,232	\$16.711804	\$170,995				
FYTD	0	254,272	27,335	\$15.849526	\$433,247				
Cumulative	0	3,388,071	360,482	\$10.732007	\$3,868,695				
Total month	319,500	95,419	332,865	\$6.622166	\$2,176,839				
Total FYTD	953,750	254,272	990,432	\$6.234383	\$6,114,582				
Total CYTD	3,459,867	812,269	3,581,542	\$6.226398	\$22,053,108				
Cumulative	13,866,387	3,388,071	15,227,027	\$6.087617	\$91,962,317				

^{***} Volumes in Mcf at 14.73 psia & 60°F

All Volumes in Mcf at 14.7 psia & 70°F

Revenue Collected From Federal Leaseholds	Month*	FYTD*
Fee Sales & Royalties	\$527,176	\$1,745,198
Natural Gas Royalties (1)	\$2,326	\$6,206
Natural Gas Rentals	\$0	\$0
Other	<u>\$10,869</u>	<u>\$32,899</u>
Revenue Collected from Federal Lease Holds	\$532,847	\$1,762,274

^{*}Totals do not sum

Helium Analysis and Evaulation	Month	FYTD
Number of Sample Request Letters Sent	24	40
Number of Samples Received	0	6
Number of Samples Analyzed	0	8
Total Number of Samples Analyzed For Resources Division	0	8
Total Number of Other Samples Analyzed (2)	44	80

U. S. Helium Production

Domestic	FY Volume		CY Volume
2002 Helium Sold	4,620,900		4,584,904
2003 Helium Sold	4,621,000		4,393,555
2004 Helium Sold	4,675,800		4,692,699
2005 Helium Sold	4,936,900		4,800,782
2006 Helium Sold	4,943,900		4,944,544
2007 Helium Sold	4,955,600	*	4,700,000
2008 Helium Sold *	4,792,350	*	4,686,081
Estimated Helium Resources (as of 01/01/2003)			305,000,000

^{*} Indicates Production Data is Projected

		FY-2007	CY-2006
U.S. Helium Exports	(3)	2,321,417	2,233,195

- (1) Includes drip gas sales & other miscellaneous gas sales.
- (2) Includes pipeline, field survey, and other requested analyses.
- (3) Data from Department of Commerce Bureau of the Census.

Table 7 - Helium Storage Contract Activity

December - 2007

ΔΙΙ	Volumes	in	Mcf	at	14	65	nsia	ጲ	60°F
ΜII	voiumes	ш	IVICI	aι	14.	00	psia	α	OU F

Metered Gas								erred Gas	Stored	Charg	es Billed
	Gross Gas Helium % Helium		Helium			Helium		Helium	(5	\$)**	
		Month	T TO TIGHT	FYTD	CYTD	Cumulative	Month	Cumulative	EOM	Month	FYTD
Total All Contra	acts*										
Crude Acquired	76,151	66.9%	50,960	145,459	562,332	27,856,120	78,931	36,520,375			
Crude Disposed	283,735	75.0%	212,763	672,190	2,713,978	34,186,503	42,904	27,731,396		\$359,030	Storage Fees
Grade-A Rdlvrd	0		0	0	0	1,478,718	,	, , , , , , , , , , , ,		\$223,443	RMF Fees
Net/Balance	(207,584)		(161,803)		(2,151,646)		36,027	8,788,979	979,878	\$582,473	\$1,445,014
Total Prior Con		INATED)	(- ,,	(/	() -))	(,=== , = ,		2, 22,2	2 2,2 2	****	, , -,-
Crude Acquired				0	0	17,406,129	0	18,196,898			
Crude Disposed				0	0	11,830,863	0	19,148,768			
Grade-A Rdlvrd				0	0	1,478,718	· ·	.0,0,.00			
Number of trailers				0	0	9,834			0		
BOC Global He		ntract no	1995-324			2,00					
Crude Acquired	,,		1000 024	•							
Crude Disposed											
Net/Balance											
Praxair, Inc., Co	ontract no 19	95-3251									
Crude Acquired	Jiii 401 110. 10	JU 020.									
Crude Disposed											
Net/Balance											
Air Products, L	P Contract r	1005-	3256								
Crude Acquired	, Oommact 1	10. 1555-	2200								
Crude Disposed											
Net/Balance											
ExxonMobil Ga	s Marketing C	`o Contr	act no. 10	05-3280							
Crude Acquired	is marketing c	, Joint	act 110. 13	33-3200							
Crude Disposed											
Net/Balance											
Pioneer Natura	l Pasaurcas I	ISA Inc	Contract r	1005-32	286						
Crude Acquired	i Nesources C	JOA, IIIC,	Contracti	10. 1995-52	.00						
Crude Disposed											
Net/Balance											
Keyes Helium (Co. LLC Cont	tract no	1005-3287								
Crude Acquired	30., LLC, COIII	uact no.	1995-5201								
Crude Disposed											
Net/Balance											
Linde Gas Nort	h America II	C Contr	act no 20	01-3282							
Crude Acquired	.ii Alliellea, EL	LO, COILLI	uot 110. 20	0 1-3202							
Crude Acquired Crude Disposed											
Net/Balance											
Air Liquide Heli	ium America	Inc. Con	tract no 2	003-3284							
Crude Acquired	ium America,	, 0011	ii act iio. Z	.000-0204							
Crude Disposed											
Net/Balance											
Matheson Tri-G	as Inc Cont	ract no 2	007-3289								
Crude Acquired	,as, iiio., coiit	1 dot 110. 2	.001-3200								
Crude Acquired Crude Disposed											
Net/Balance											

G	O	v	е	rı	Ш	Ц	ıe	П	τ	г	ıe	Ш	u	П	•

Remaining Crude Acquired beginning of the month 20,747,321
Crude Disposed: In Kind Sales transferred for the month (27)
Open Market/Reserve Sell Down transferred for the month (36,000)
Gains and Loses for the month (1,845)
Net/Balance of Purchased Helium Remaining for Sale 20,709,449

**Rounded to nearest dollar

^{*}Includes In Kind and Open Market transfers from Government storage

Table 8 - Compression & CHEU (Charges & Operations) December - 2007

Field/CHEU Compressor Operations	Month	FYTD	Cumulative	
Spot gas fuel price *	\$ per/MMBTU	\$6.39	\$6.06	\$5.94
Fuel used *	total MMBTU	14,437	41,414	670,931
Field compressor fuel revenue *	\$dollars	\$288	\$288	\$585,177
HEU compressor fuel credit *	\$dollars	\$51,334	\$146,458	\$2,003,829
HEU fuel credit *	\$dollars	\$40,630	\$104,384	\$1,395,099
#1 Compressor run time *	hours	742	2,158	40,550
#2 Compressor run time *	hours	509	1,772	27,555
#3 Compressor run time *	hours	215	466	17,395

^{*} Field/CHEU Compressor Operations based on Dec 07 activity

Field Compressor Charges	Ch	Charges Billed (\$)*			
BOC Global Helium, Inc., Contract no. 1995-3249					
Praxair, Inc., Contract no. 1995-3251					
Air Products, L.P., Contract no. 1995-3256					
Keyes Helium Co., LLC, Contract no. 1995-3287					
SubTotal - Cliffside Refiners, LP (provides booster compression services)	(\$60,035)	(\$184,023)	(\$5,743,200)		
Cliffside Refiners, LP, GDA010003 (BLM provided fuel *, labor, supplies, etc.)	<u>\$15,562</u>	<u>\$50,601</u>	<u>\$1,407,638</u>		
Net Total - Cliffside Refiners, LP	(\$44,474)	(\$133,422)	(\$4,335,563)		

^{*} BLM provided fuel cost is based on Oct 07 fuel consumed

^{*}Rounded to nearest dollar

Crude Helium Enrichment Unit (CHEU)	Мо	nth	FY	Cumulative	
CHEU Runtime	Runtime Hrs	Percent	Runtime Hrs	Percent	Runtime Hrs
Processing feed gas	737	99.0%	2,201	99.7%	38,433
Producing residue gas	733	98.6%	2,197	99.5%	38,380
Producing helium product	732	98.4%	2,196	99.4%	35,552
Producing natural gas liquids	734	98.6%	2,193	99.3%	34,053

	Ch	arges Billed	(\$)*
CHEU Charges	Month	FYTD	Cummulative
Reservior Management Fees (RMF)	\$223,443	\$714,418	\$9,612,353
Total operating costs	<u>(\$916,726)</u>	(\$2,714,913)	(\$47,741,437)
Labor	\$76,263	\$228,789	\$3,235,469
Compressor fuel cost Oct 07	\$51,529	\$132,117	\$1,959,728
HEU fuel cost Oct 07	\$34,112	\$84,718	\$1,369,597
Electrical power cost Oct 07	\$134,398	\$408,017	\$6,748,518
Other	<u>\$109,611</u>	<u>\$328,833</u>	<u>\$4,614,359</u>
Sub Total - Items provided by BLM	\$405,913	\$1,182,474	\$21,137,026
Total - Cliffside Refiners, LP, GDA030001	(\$510,813)	(\$1,532,439)	(\$26,604,411)

*Rounded to nearest dollar

CHEU Utility Usage	Month	FYTD	Cumulative
Cheu Fuel Gas (Mcf) usage Dec 07	5,362	14,415	212,724
Cheu Pure Water Usage (gallons) Dec 07	3,575	8,907	173,080
Electricity Metered (Kwh) consumed Oct 07	2,395,368	7,147,186	115,762,864